	Application No.	Applicant(s)	
Notice of Allowability	09/841,373	LOW ET AL.	′ 0
	Examiner	Art Unit	
	Nihir Patel	3743	
The MAILING DATE of this communication appeal All claims being allowable, PROSECUTION ON THE MERITS IS (herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGOT (See 37 CFR 1.313)	OR REMAINS) CLOSED in or other appropriate comming GHTS. This application is second comming the comm	n this application. If not include unication will be mailed in due	ded e course. THIS
1. \square This communication is responsive to <u>May 3rd, 2004</u> .			
2. 🛛 The allowed claim(s) is/are <u>1-5</u> .			
3. \boxtimes The drawings filed on <u>March 12th, 2002</u> are accepted by the	e Examiner.		
 4. ☐ Acknowledgment is made of a claim for foreign priority un a) ☐ All b) ☐ Some* c) ☐ None of the: 1. ☐ Certified copies of the priority documents have 2. ☐ Certified copies of the priority documents have 3. ☐ Copies of the certified copies of the priority documents have International Bureau (PCT Rule 17.2(a)). * Certified copies not received: 	been received. been received in Application	on No	ation from the
Applicant has THREE MONTHS FROM THE "MAILING DATE" on noted below. Failure to timely comply will result in ABANDONM THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.	of this communication to file ENT of this application.	e a reply complying with the re	equirements
5. A SUBSTITUTE OATH OR DECLARATION must be subministration (PTO-152) which give	ited. Note the attached EX es reason(s) why the oath o	AMINER'S AMENDMENT or reduction of declaration is deficient.	NOTICE OF
 6. CORRECTED DRAWINGS (as "replacement sheets") mus (a) including changes required by the Notice of Draftspers 1) hereto or 2) to Paper No./Mail Date (b) including changes required by the attached Examiner's Paper No./Mail Date Identifying indicia such as the application number (see 37 CFR 1 each sheet. Replacement sheet(s) should be labeled as such in the deposant of the deposant o	on's Patent Drawing Revies Amendment / Comment of 84(c)) should be written on the header according to 37 Cl sit of BIOLOGICAL MAT	r in the Office action of the drawings in the front (not the FR 1.121(d). ERIAL must be submitted	
 Attachment(s) 1. ☑ Notice of References Cited (PTO-892) 2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948) 3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/O Paper No./Mail Date 4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material 	6. ☐ Interview S Paper No. 8), 7. ⊠ Examiner's	Informal Patent Application (Pourmary (PTO-413), I/Mail Date S Amendment/Comment Statement of Reasons for A Identify Against Supervisory Agent Exami	Metwance

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DETAILED ACTION

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Anthony W'Karambelas on June 27th, 2004.

The application has been amended as follows:

On page 3 line 34 of the specifications, please erase *aft deck 14* from the specifications. Amend claims 1 and 5 as requested below:

Claim 1 (Amended):

A spacecraft radiator system for use on a spacecraft having a body and a plurality of solar arrays, the system comprising:

first and second opposite facing payload radiators;

first and second opposite facing deployable radiators; and one or more coupling or loop heat pipes extending across the body of the spacecraft to connect the opposing payload and deployable radiators, wherein the opposing payload and deployable radiators act in tandem to minimize the amount of solar load.

Claim 5 (Amended)

A space craft heat dissipation method comprising the steps of:

configuring a space craft to have a body, a plurality of solar arrays, first and second opposite facing payload radiators, first and second opposite facing deployable radiators, and one

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or more coupling or loop heat pipes extending across the body of the spacecraft to connect the opposing payload and deployable radiators, wherein the opposing payload and deployable radiators act in tandem to minimize the amount of solar load;

launching the spacecraft into orbit.

Reason for Allowance

The following is an examiner's statement of reasons for allowance: Claims 1 through 5 of application number 09/841373 are allowable over the prior art of record in that the spacecraft radiator system for use on a spacecraft having a body and a plurality of solar arrays, the system comprises first and second opposite facing payload radiators; first and second opposite facing deployable radiators; and one or more coupling or loop heat pipes extending across the body of the spacecraft to connect the opposing payload and deployable radiators, wherein the opposing payload and deployable radiators act in tandem to minimize the amount of solar load.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Nihir Patel whose telephone number is (703) 306-3463. The examiner can normally be reached on 7:30 to 4:30 every other Fridays off.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Henry Bennett can be reached on 703-308-0101. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

June 28th, 2004

Supervisory Patent Examiner

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